

GILA RIVER BASIN

09456000 SAN SIMON RIVER NEAR SAN SIMON, AZ

LOCATION.--Lat 32°13'30", long 109°10'30", in SW¹/₄ sec.10, T.14 S., R.31 E., Cochise County, Hydrologic Unit 15040006, 4.5 mi southeast of San Simon.

DRAINAGE AREA.--814 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1923	07-21-23	5,350	HP	1936	08-18-36	4,190	
1931	08-10-31	4,500		1937	08-09-37	548	
1932	07-25-32	1,250		1938	06-29-38	2,280	
1933	08-04-33	1,550		1939	08-13-39	2,840	
1934	08-00-34	4,550		1940	06-29-40	4,280	
1935	08-28-35	5,020		1941	08-15-41	1,870	

Magnitude and probability of instantaneous peak flow based on period of record 1923, 1931-41

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25† 4%	50† 2%	100† 1%
2,920	4,520	5,570	6,860	7,770	8,660
Weighted skew	(logs) =	-0.41			
Mean	(logs) =	3.45			
Standard dev.	(logs) =	0.24			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
23.8	64.6	4,830	23.0	2.3	14.9	1.9	3.6

